## INTERNATIONAL SEARCH REPORT

Internal Application No PCT/US2004/040088

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C10G17/06 C10G67/08 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 C10G Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, API Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category ° Relevant to claim No. X US 2 984 617 A (CHELLIS ITALO V. DE ET AL) 1-31 16 May 1961 (1961-05-16) column 2, lines 42-48 column 3, lines 46-61 US 3 123 550 A (SKOMOROSKI ROBERT M ET AL) X 1-31 3 March 1964 (1964-03-03) claims 1,3; example 1 column 2, lines 52-63 US 3 749 666 A (LOCKWOOD W, US ET AL) A 1-31 31 July 1973 (1973-07-31) column 1, line 71 - column 2, line 17 column 2, lines 40-45 column 3, lines 20-27 Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not considered to be of particular relevance cited to understand the principle or theory underlying the Invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document. "O" document referring to an oral disclosure, use, exhibition or other means ments, such combination being obvious to a person skilled in the art. document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 15 March 2005 24/03/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,

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		PC17U32UU47U4UU88					
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT							
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A	US 3 305 480 A (MILLS IVOR W ET AL) 21 February 1967 (1967-02-21) column 1, lines 37-41 column 1, line 72 - column 2, line 4 column 2, lines 12-28	1-31					
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